

DERWENT-ACC-NO: 1986-329263

DERWENT-WEEK: 198650

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TITLE: Dissolving water-in-oil emulsion  
coagulant in water - using nonionic surfactant having 1 or  
more cloud points between 15-60 degrees 0

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PRIORITY-DATA: 1985JP-0056112 (March 22, 1985)

PATENT-FAMILY:

PUB-NO	PAGES	MAIN-IPC	PUB-DATE	LANGUAGE
JP 61245835 A	003	N/A	November 1, 1986	N/A

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-DESCRIPTOR	APPL-NO
JP 61245835A	March 22, 1985	N/A	1985JP-0056112

INT-CL (IPC): B01J013/00

ABSTRACTED-PUB-NO: JP 61245835A

BASIC-ABSTRACT:

A water-in-oil emulsion (I) of a water-soluble polymer is dissolved in water using nonionic surfactant (II) which has one or more cloud points between 15 and 60 deg.C.

(I), is, e.g., composed of 30-60 wt.% water-soluble polymer consisting of 40 mol.% or more of cationic monomer and another monomer, 0.05-0.15 wt.% anhydrous maleic acid surfactant of formula (III) and 0.1-0.40 wt.%

linear  
polyester-polyalkylene oxide-polyester block copolymer  
surfactant of alkylene  
oxide content less than 40 wt.%.

x is larger than 5; molar ratio of a/b is 3/1-1/1; R1, R2, R3  
and R4 are H,  
1-48C alkyl, 1-48C alkoxy, 2-48C alkenyl, 6-12C allyl or  
7-12C alkallyl; and  
one or more of R1, R2, R3 and R4 is 4-48C alkyl. (II) is  
polyethylene glycol.

USE/ADVANTAGE - Method is used for dissolution of (I) which  
is used as a  
coagulant for treating waste water or mfg. paper.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: DISSOLVE WATER OIL EMULSION COAGULATE WATER  
NONIONIC SURFACTANT  
MORE CLOUD POINT DEGREE

DERWENT-CLASS: A14 A23 A97 D15 F09

CPI-CODES: A08-S; A12-S; A12-W06; A12-W11E; A12-W11J;  
D04-A01B; F05-A02C;  
F05-A06C;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0005 0013 0038 0218 0229 0231 0278 0292 0306  
0313 0320 0355 0362  
0880 1207 1214 1235 1279 1291 1417 1581 1583 1587 1588 1847  
1999 2014 3246 2575  
2710  
Multipunch Codes: 014 028 03- 034 035 038 04- 040 041 046 053  
054 055 056 057  
058 059 060 091 093 104 105 106 13& 134 135 137 143 144 147  
155 157 175 195 198  
231 239 27& 31- 336 397 532 537 54- 57& 57- 688 720 726

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1986-142686